

WATER SYSTEMS TELEMETRY AND DISTRIBUTED CONTROL TECHNICIAN

Class Definition

Under supervision, maintains and operates computerized distributed control, telemetry, and computer systems in either the Water or Wastewater Divisions of the Department of Public Utilities.

Distinguishing Characteristics

Water Systems Telemetry and Distributed Control Technician is the entry level class in the Water Systems Telemetry and Distributed Control series assigned to either the Water or Wastewater Divisions of the Department of Public Utilities. Incumbents are responsible for the maintenance and operation of computerized distributed control, telemetry, and other network systems. This class differs from Water Systems Telemetry and Distributed Control Specialist in that the duties of the latter include administrative functions.

Typical Tasks

(This list of samples of job duties and responsibilities is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Operates a telemetry system including maintenance of graphics, database points, system events, control blocks; responds to field information which requires immediate telemetry operator action.

Performs backups of telemetry and local area network (LAN) systems using established programs and procedures.

Performs relatively non-complex diagnostics of the telemetry and LAN systems; corrects determined problems for the division.

Assists in computer system hardware and software installations, upgrades, and diagnostics.

Maintains the log of system activities including malfunctions, system boots, causes of failures, and other operational statistics to aid in trouble shooting and system maintenance.

Receives training from, and provides back up support for, a Water Systems Telemetry and Distributed Control Specialist.

Provides local support for division computer users.

Responds to customer and field operation queries on water system conditions as they relate to the telemetry system.

Runs developed programs and operational informational reports according to procedure.

Maintains and inventories system configurations on telemetry and LAN systems for the division.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of personal computer, local area network (LAN), and VAX systems and associated operating systems and environments.

Knowledge of personal computer, local area network (LAN), and VAX systems setup and configuration files.

Knowledge of computer based telemetry and distributed control systems.

Ability to learn fundamental engineering mathematics and fluid system dynamics as they relate to water/wastewater systems.

Ability to follow and execute detailed instructions.

Ability to create and maintain batch and command programs.

Ability to speak clearly and concisely.

Ability to establish and maintain effective working relationships with those contacted in the performance of assigned duties.

Skill in the use of computer systems and a variety of applications software, such as, spread sheets, database managers, and word processors.

Minimum Qualifications

Fifteen semester units of course work from an accredited college or university in computer science, engineering, water science, or closely related field; and one year of increasingly responsible experience in a computer specific position in either a VAX, personal computer, or distributed control system environment. An additional year of qualifying experience may be substituted for the required education.

Necessary Special Requirement

Possession of a valid California Driver's License may be required at time of appointment.

APPROVED: _____
Director of Administrative Services

DATE: _____

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